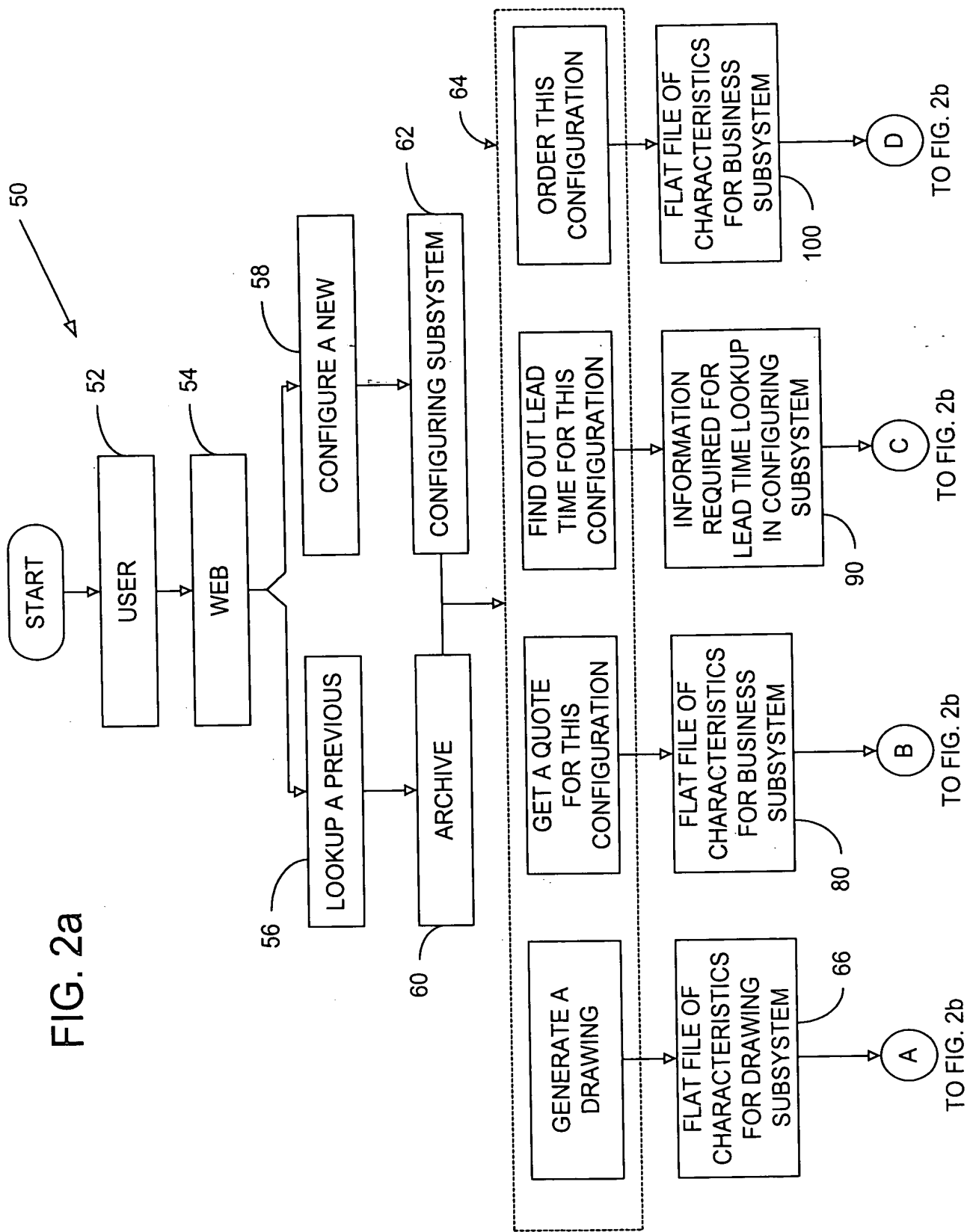


FIG. 1

10



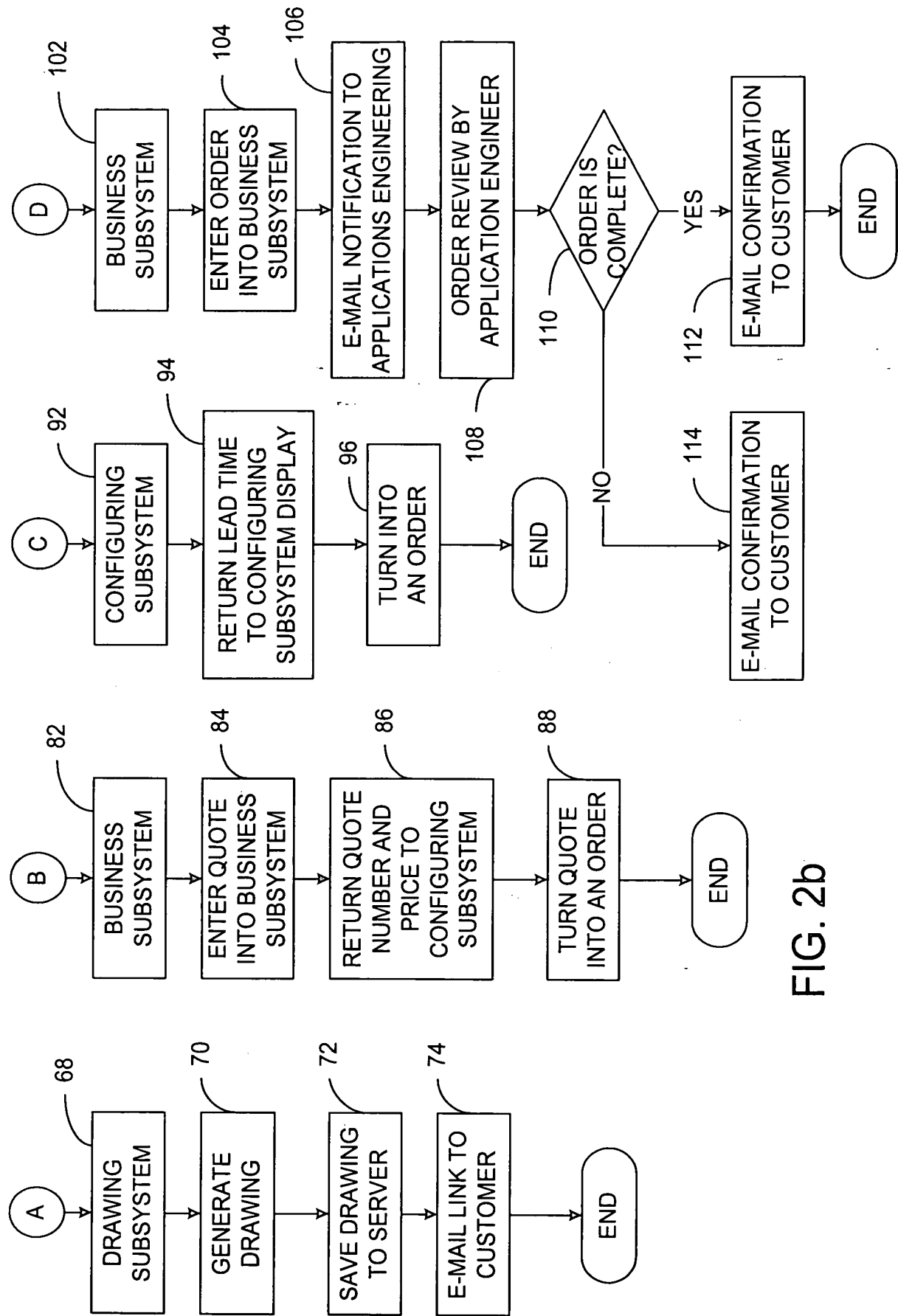


FIG. 2b

100
↓

102

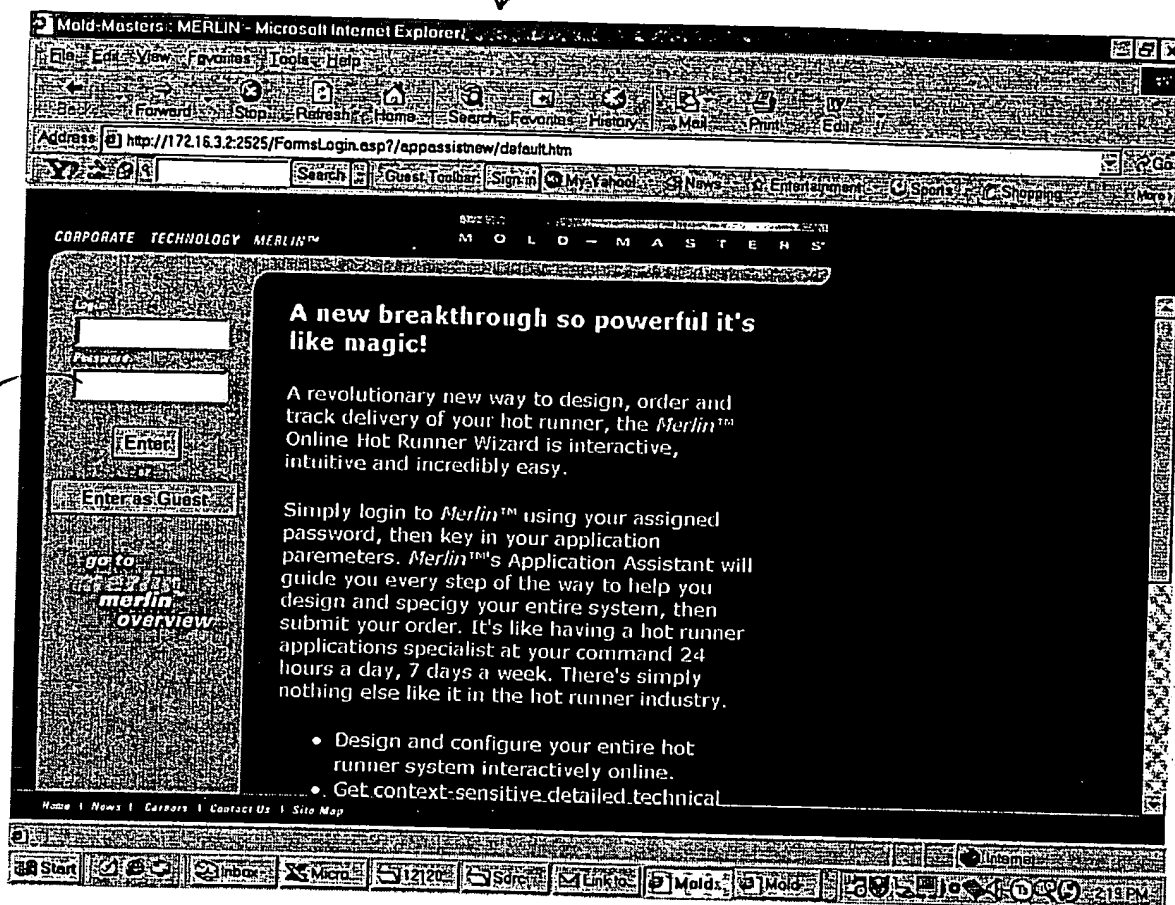


FIG. 3

3 110

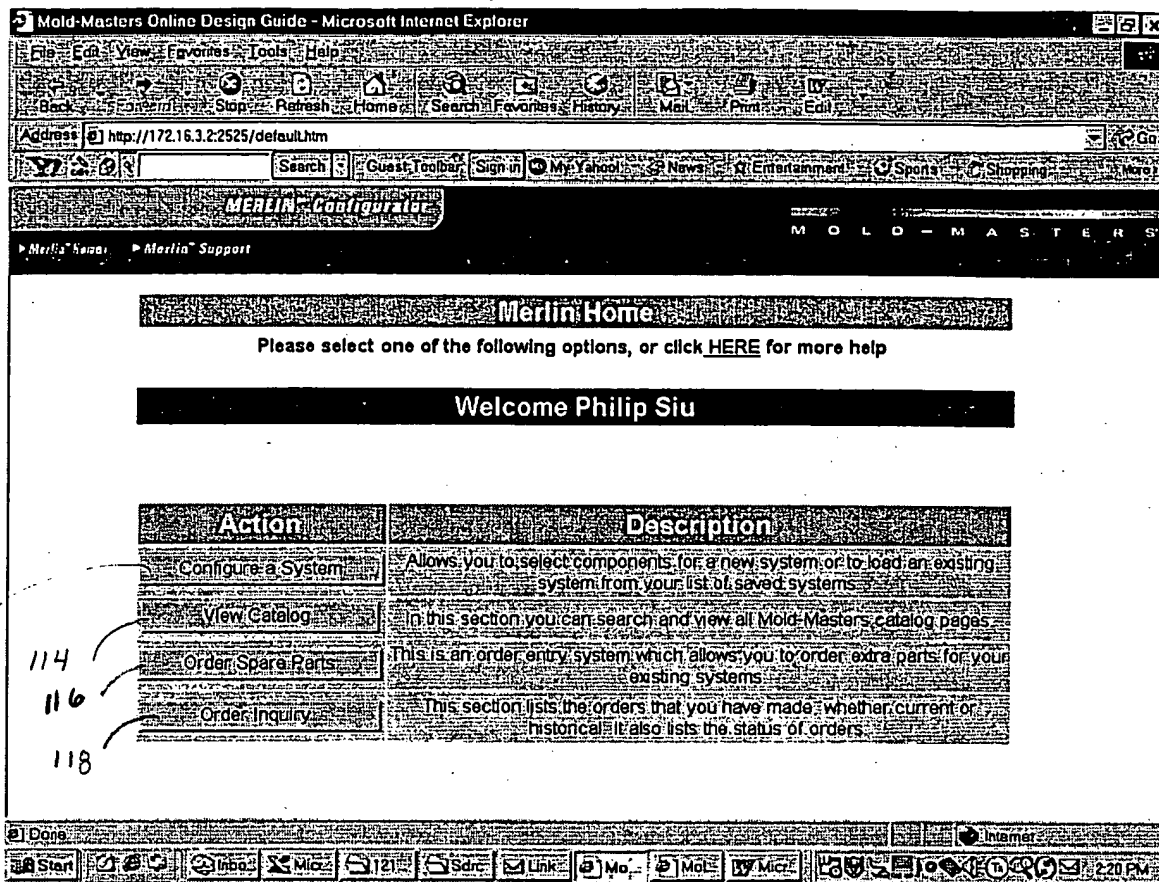


FIG. 4

120

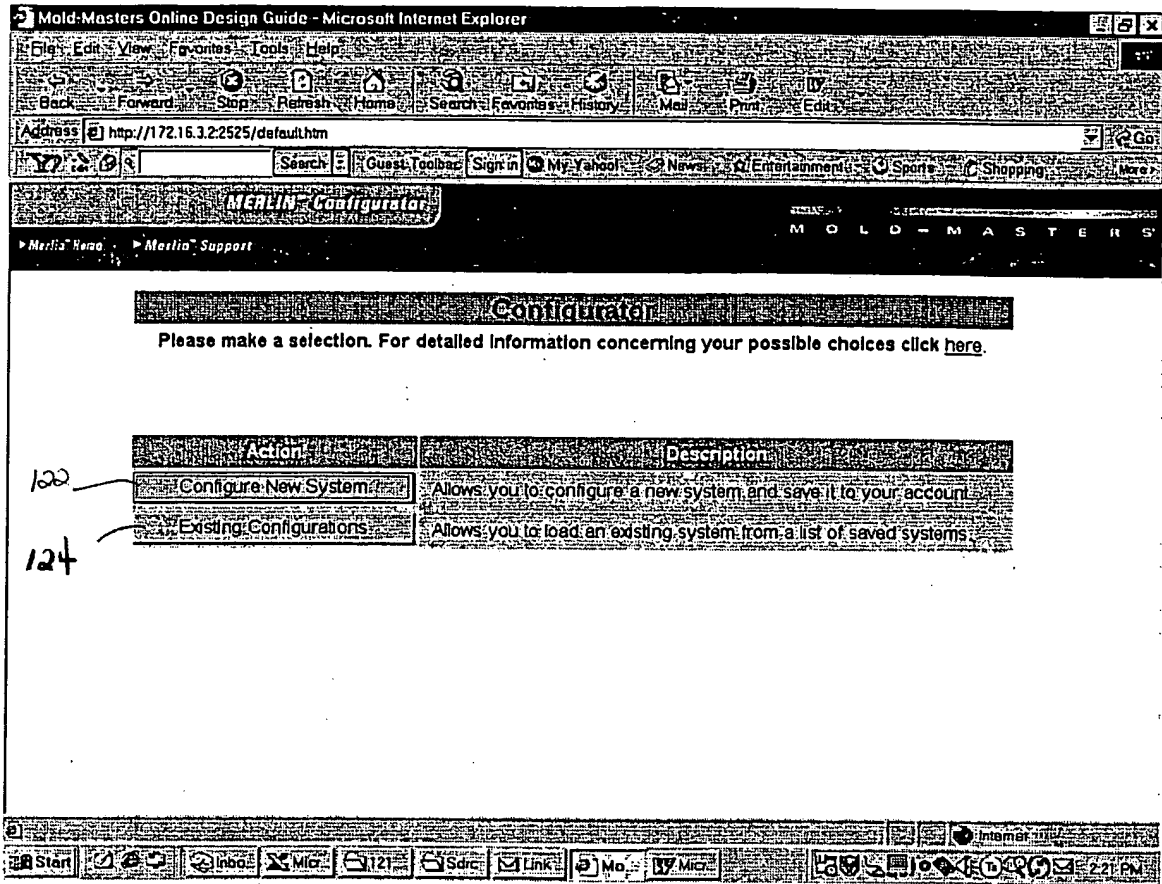


FIG. 5

130

Mold-Masters Online Design Guide - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address http://172.16.3.2:2525/default.htm Go

Search Guest Toolbar Sign in My Yahoo! News Entertainment Sports Shopping More

MERLIN Configurator

Merlin Home Merlin Support

Shot Weight Material Selection

Please choose a Shot Weight, material and the filler percentage and select the GO button.
Please click [HERE](#) for additional help.

Shot Weight per Nozzle	Material	Filler percentage
500 - 3500 g	Acrylonitrile Butadiene Styrene	
<input type="button" value="Go"/>		

Done

Start Inbox Mail Links My Mail Mic 2:21 PM

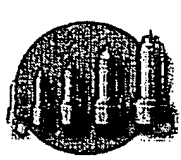
FIG. 6.

3140

Product Line Selection

Please select a product line by clicking on the button below it. [Click here](#) to find out more information.

Previous Step



Dura™

142

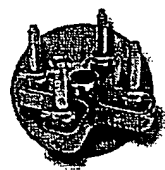
Mold Masters established Dura product line of hot runner systems.



MIM Dura-Shot®

144

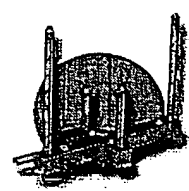
The MIM Dura-Shot® range of products is based on Mold-Masters established Dura know-how, but with the added advantages of MIM technology.



MIM Speed™

146

Specify, Design and Order your MIM Speed Hot Runner System - Online to provide the fastest delivery of the hot runner system to your specification.



Flex Dura™ System

147

The Flex Dura product line was developed specifically for the automotive and large part molding industries.

3 150

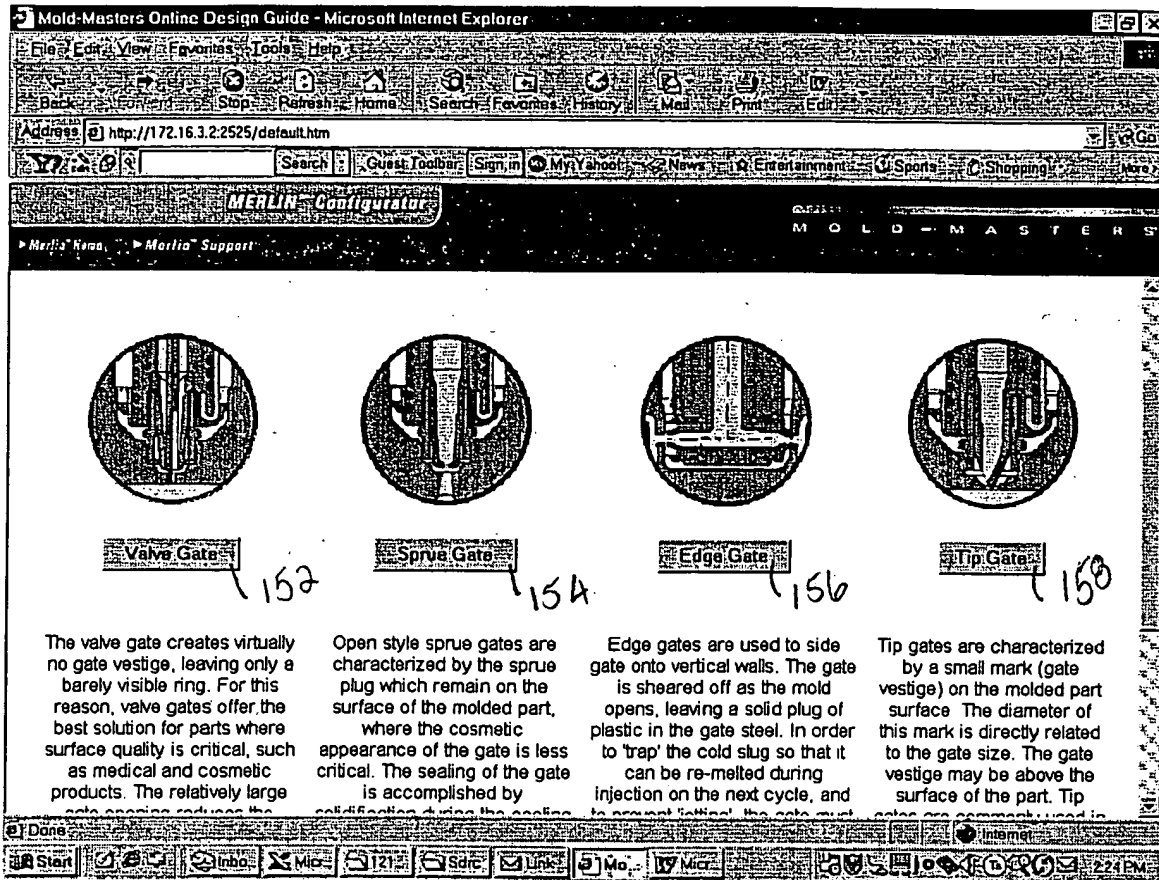


FIG. 8

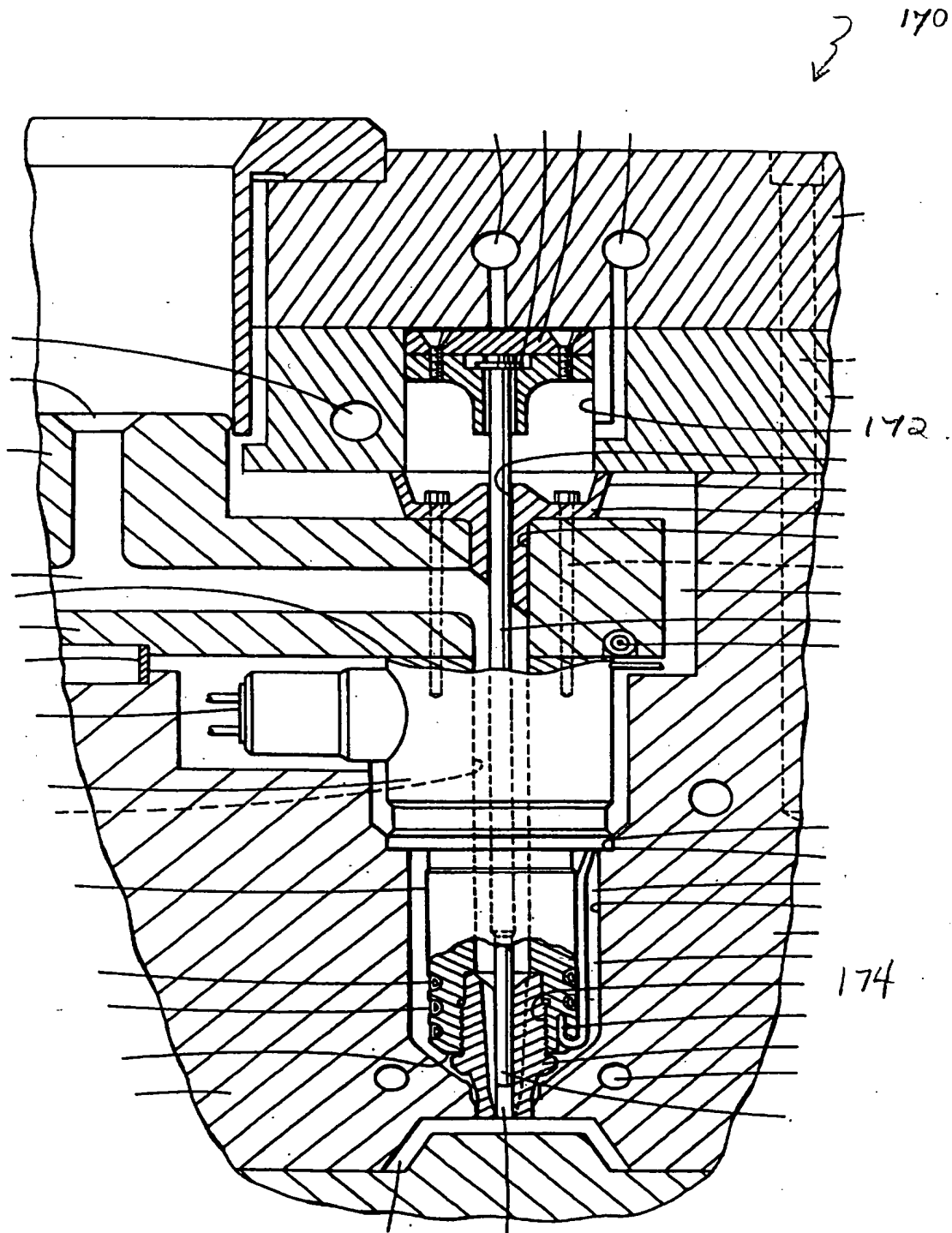


FIG. 9

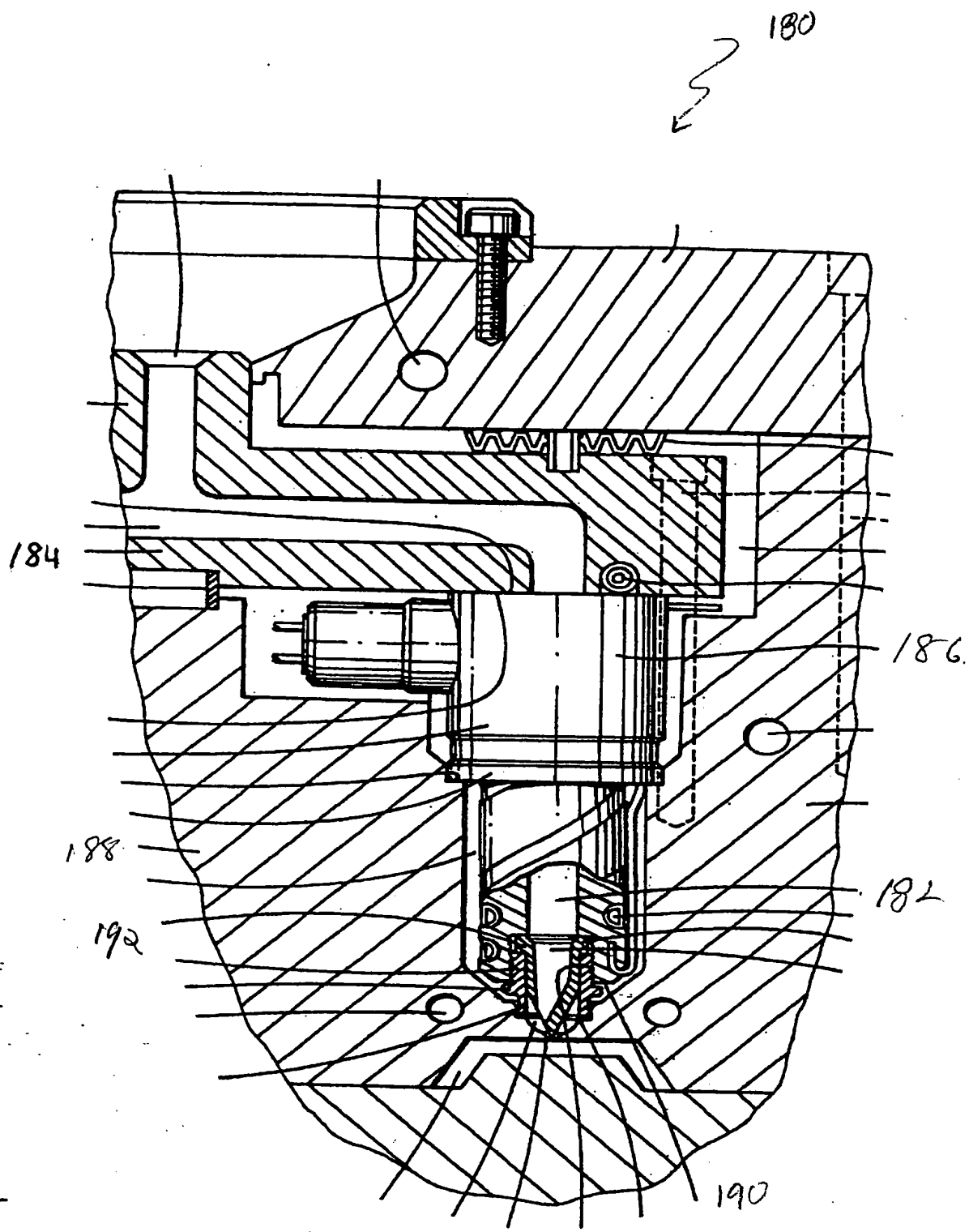


FIG. 10

200

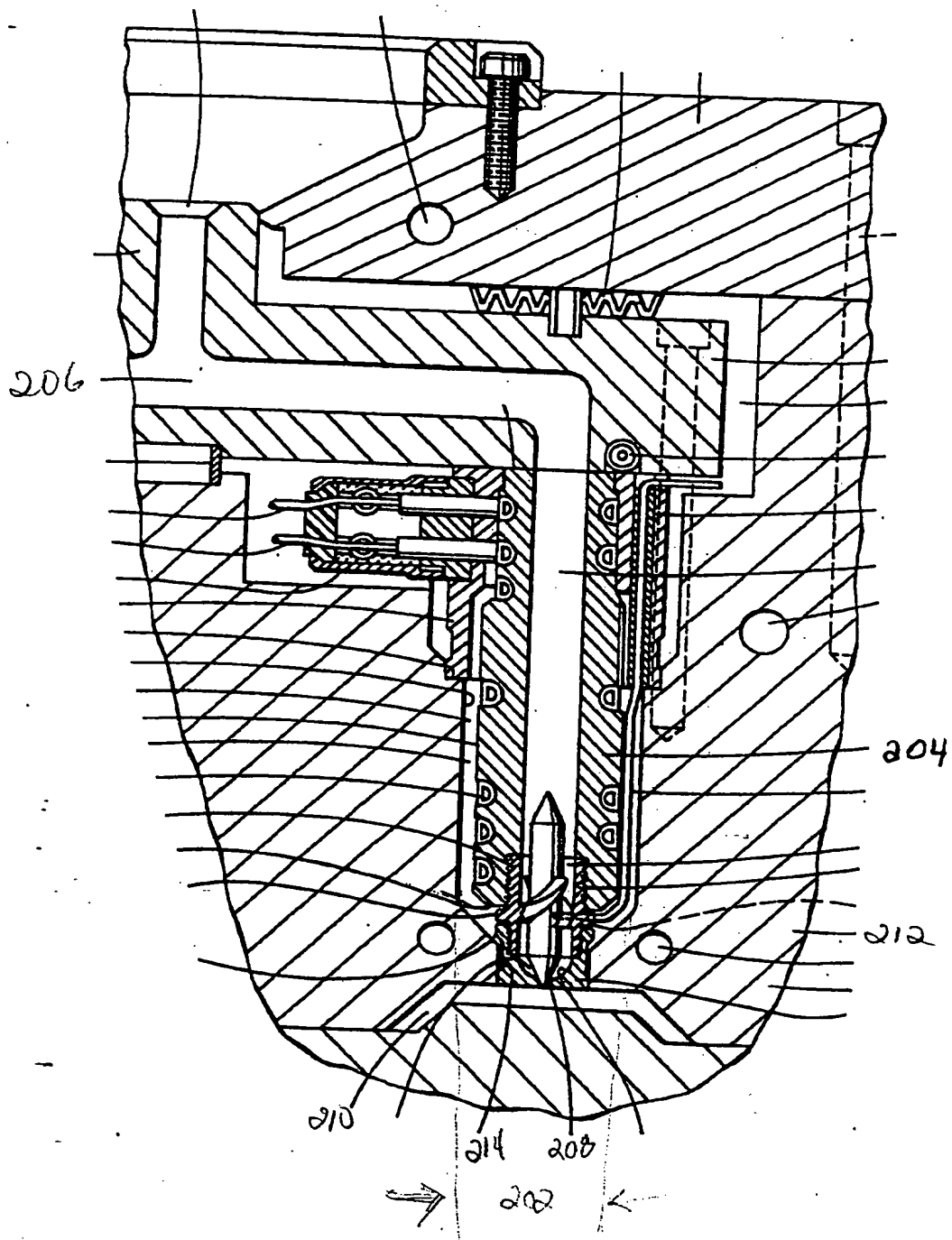


FIG. 11

220

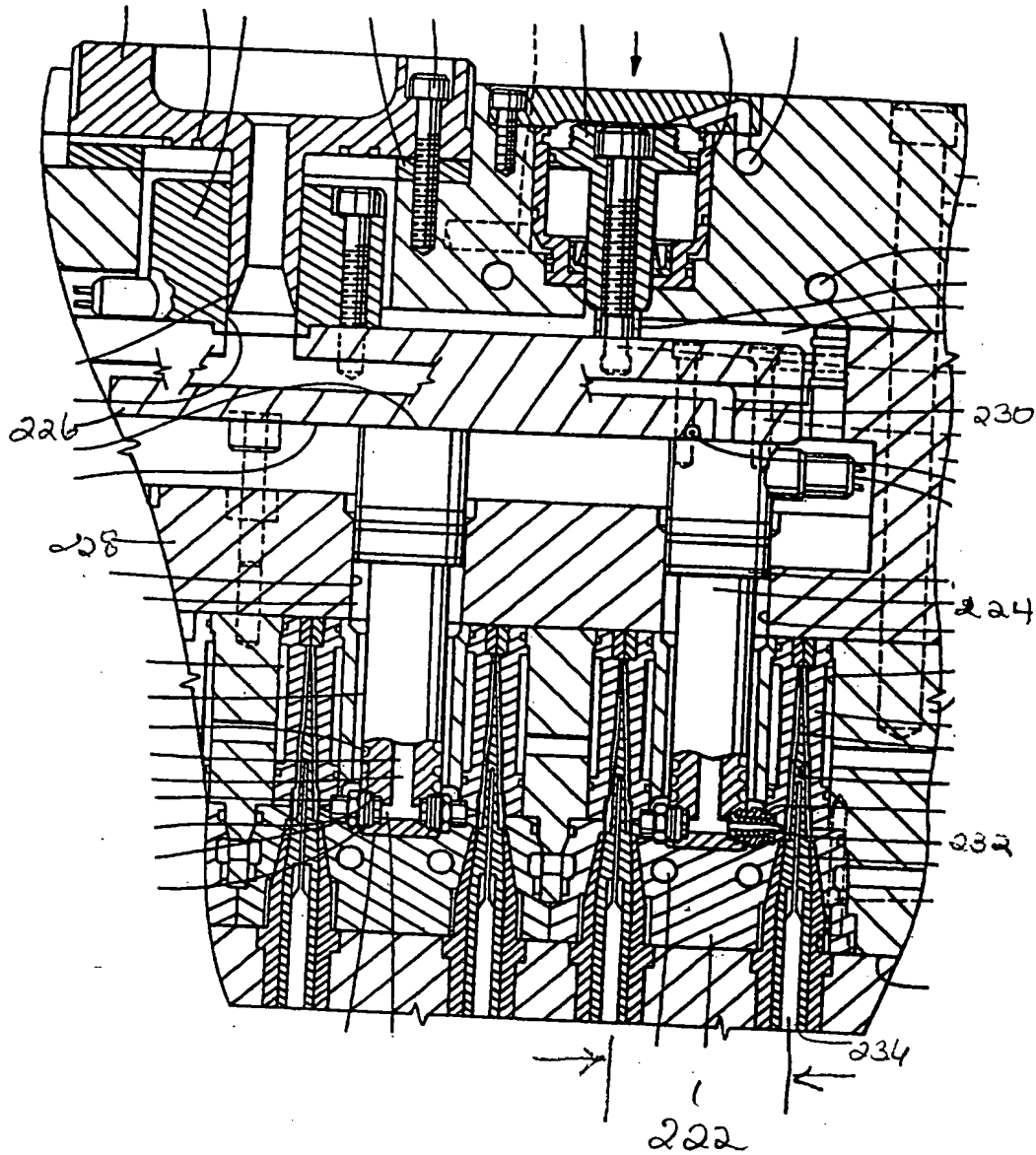


FIG. 12

3240

System type/Gating method Selection

Click on the number beside the system type to continue. Click on one of the links below to find out more information about the item

[Click Here for more information.](#)

[Previous Step](#)

Match System Type	Gating Method	Suitability	Catalog Page/s
<div><div>1</div><div>MIM Speed Dura Hecto-Shot</div><div>242</div></div>	<div><div>Bi-Metallic C-Valve</div><div>244</div></div>	<div><div>Recommended</div><div>246</div></div>	<div><div>View</div><div>M8.01.05</div><div>248</div></div>

260
3

MERLIN™ Configurator

Merlin™ Home


Merlin™ Support

M.O.L.D. - M.A.S.T.E.R.S.

Gate Seal

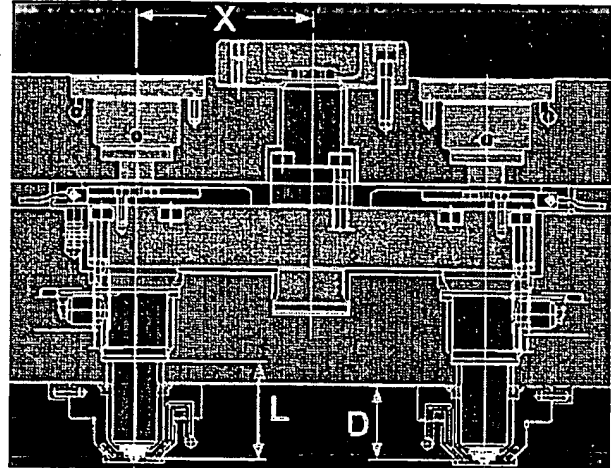
Please select the gate seal you require, or click [HERE](#) for more information.

Previous Step

March Gate Seal #	Description	Diameter/Range
	TS0664P2 MDH C VALVE TS0664 + TSL229	4.0 - 5.0 mm

268

MIM Dura Hecto-Shot® Bi-Metallic C-Valve



- 262
- 264
- 266
- Gate Seal
 - Nozzle
 - Manifold
 - Water Cooled Gate Insert
 - Valve Actuator
 - Inlet Component
 - Locating Ring
 - Manifold Plates

Relevant Catalog Pages

Catalog Page Title

[View](#) M8.01.05 MIM Dura Hecto-Shot® Bi-Metallic C-Valve

270

Revision Date

Jun 6 2000
12:41AM

CAD Drawings

[Download](#)

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3 280

MERLIN Configurator

Merlin Home

Merlin Support

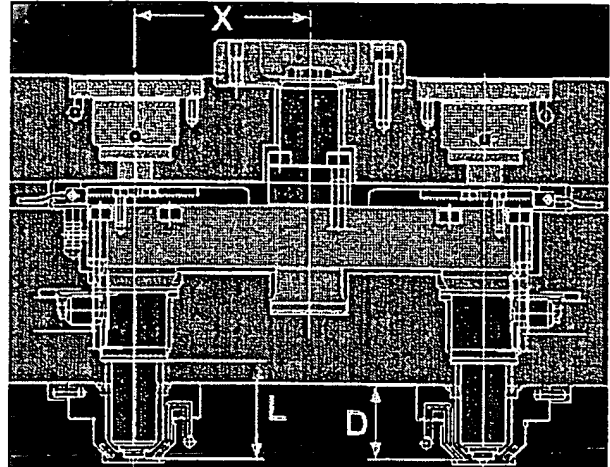
M.O.L.D. - M.A.S.T.E.R.S.

Nozzle

Please select the nozzle you require, or click [HERE](#) for more information.

Previous Step

MIM Dura Hecto-Shot ® Bi-Metallic C-Valve



Gate Seal Water Cooled Gate Insert Locating Ring
Nozzle Valve Actuator Manifold Plates
Manifold Inlet Component

March	Nozzle #	Description	L Dim (mm)
282	1	NZMH1B1A060P Mim Dura Hecto Valve nozzle L=60	74
284	2	NZMH1B1A090P Mim Dura Hecto Valve nozzle L=90	104
286	3	NZMH1B1A120P Mim Dura Hecto Valve nozzle L=120	134
288	4	NZMH1B1A150P Mim Dura Hecto Valve nozzle L=150	164

Relevant Catalog Pages

Catalog Page Title

View	M8.01.05 MDH C VALVE TS0664 + TSL229
View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve

Revision Date

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Jun 6 2000
12:41AM

CAD Drawings

Download

Download

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[Merlin™ Support](#)

MOLD-MASTERS

Number Of Nozzles Selection

Please select the number of nozzles required for your system, or Click [HERE](#) for more information

Previous Step

Enter Number of Nozzles/Drops desired in System

302

1

2 Nozzles

304

2

4 Nozzles

Relevant Catalog Pages

Catalog Page	Title	Revision Date	CAD Drawings
View	M8.01.05 Mim Dura Hecto Valve nozzle L=120	Jun 6 2000 12:41AM	Download
View	M8.01.05 MDH C VALVE TS0664 + TSL229	Jun 6 2000 12:41AM	Download
View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve	Jun 6 2000 12:41AM	Download

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MERLIN™ Configurator

[Merlin™ Home](#) ▶ [Merlin™ Support](#)


M O L D — M A S T E R S

Manifold Configuration Selection

Please choose a suitable manifold configuration from the icons shown below or click [HERE](#) for more detailed information.

Previous Step

Standard Sub Manifolds



324

Relevant Catalog Pages

Catalog Page	Title	Revision Date	CAD Drawings
View	M8.01.05 Mim Dura Hecto Valve nozzle L=120	Jun 6 2000 12:41AM	Download 328
View	M8.01.05 MDH C VALVE TS0664 + TSL229	Jun 6 2000 12:41AM	Download
View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve	Jun 6 2000 12:41AM	Download

FIG. 17

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M O D E L - M A S T E R S

Sub Manifold Pitch Selection

Click Here for more detailed information

Previous Step

Click the Next button to accept this dimension or enter a smaller pitch dimension for your application if required.

Off Pitch X: 190 mm

Next

342

Relevant Catalog Pages

Catalog Page Title

View	M8.01.05 Mim Dura Hecto Valve nozzle L=120
View	M8.01.05 MDH C VALVE TS0664 + TSL229
View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve

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Jun 6 2000
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CAD Drawings

[Download](#)

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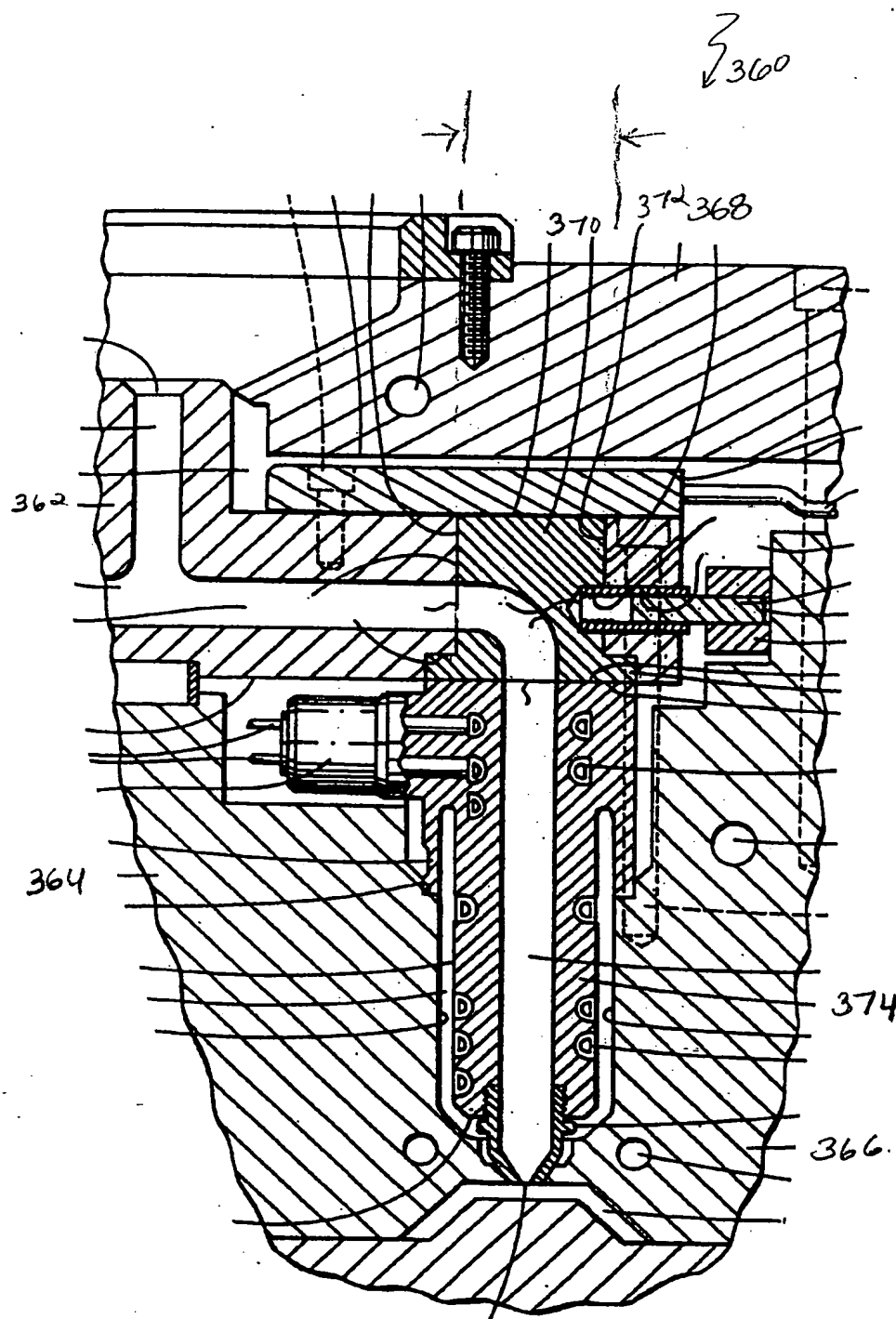


FIG. 19

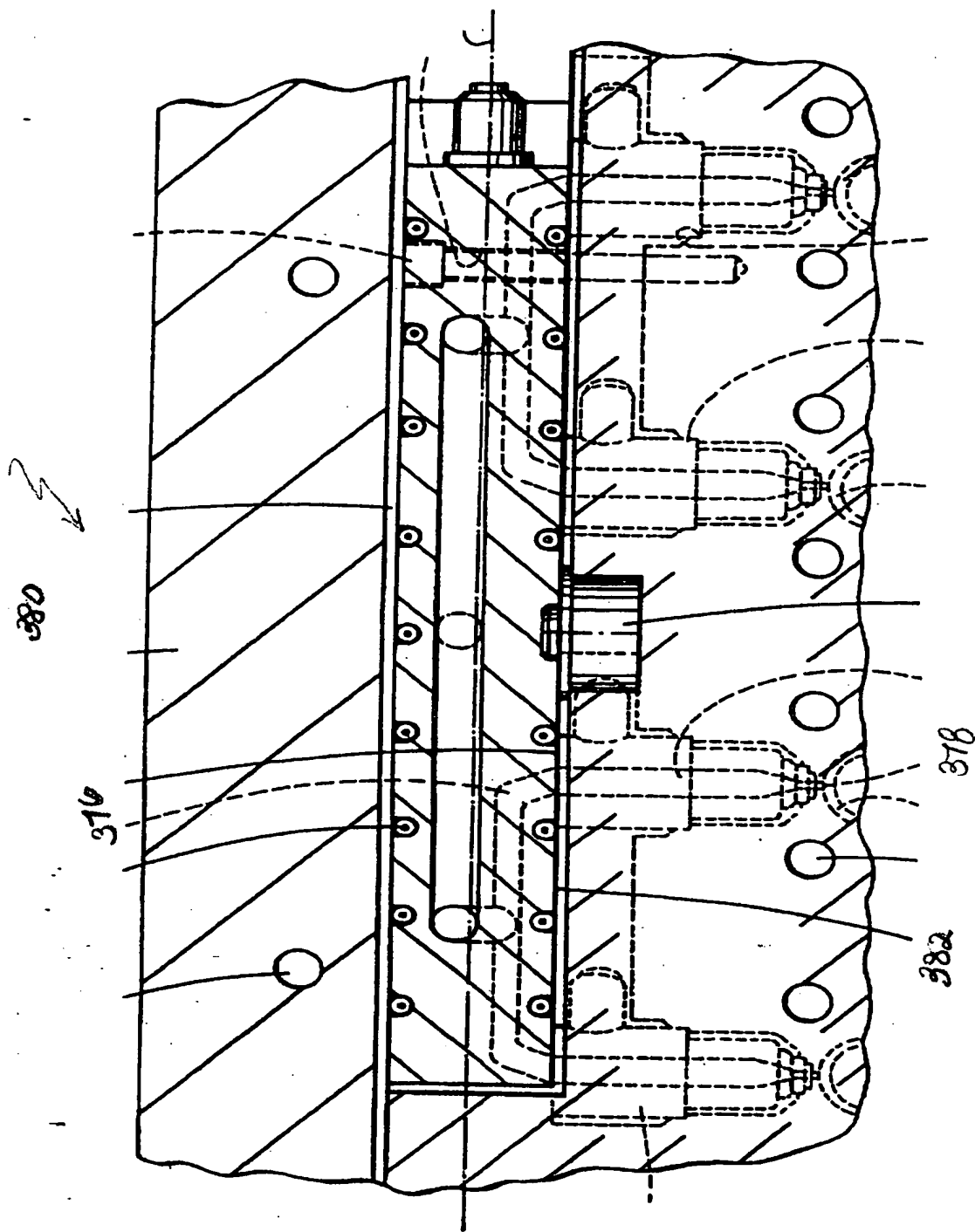


FIG. 20

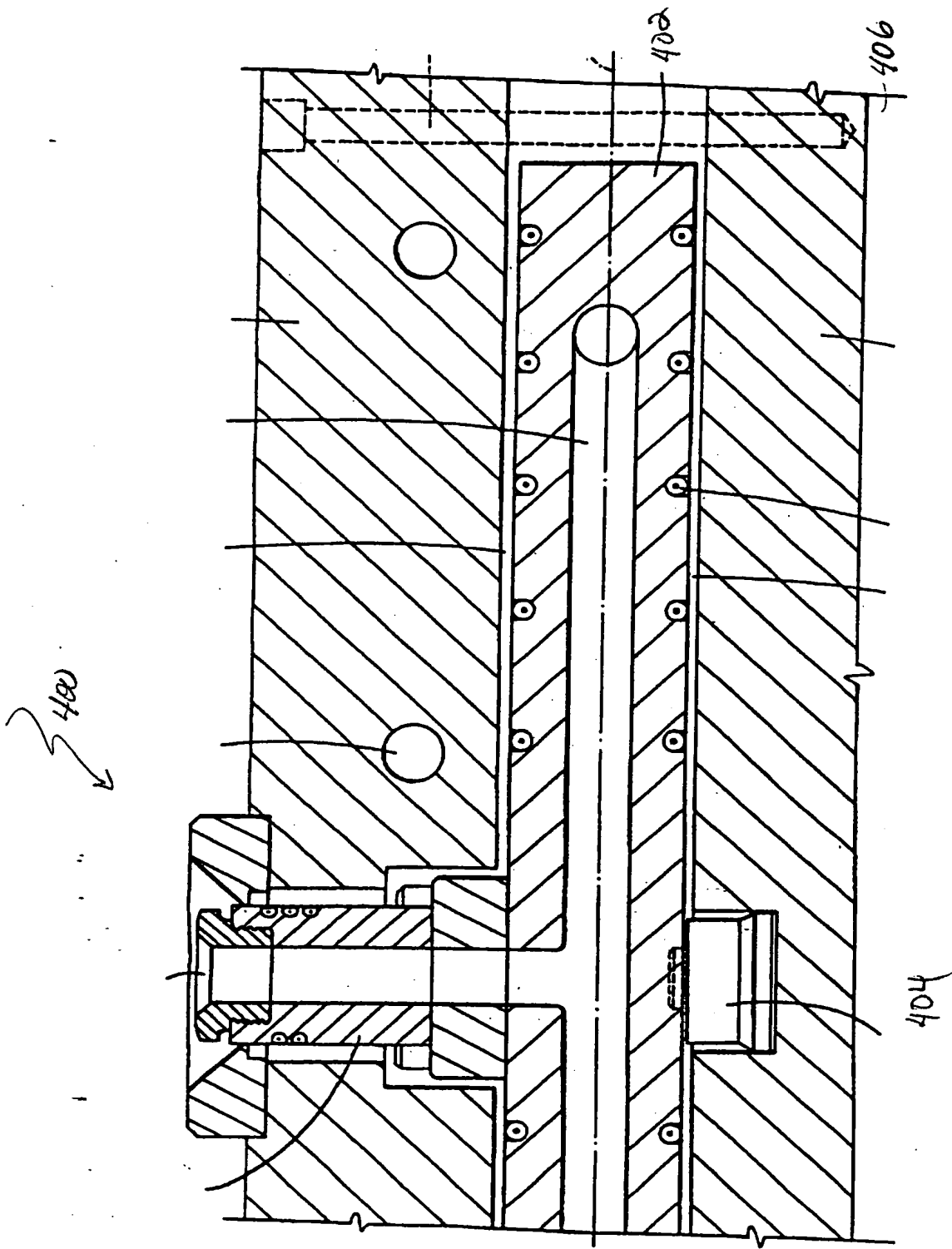


FIG. 21

420

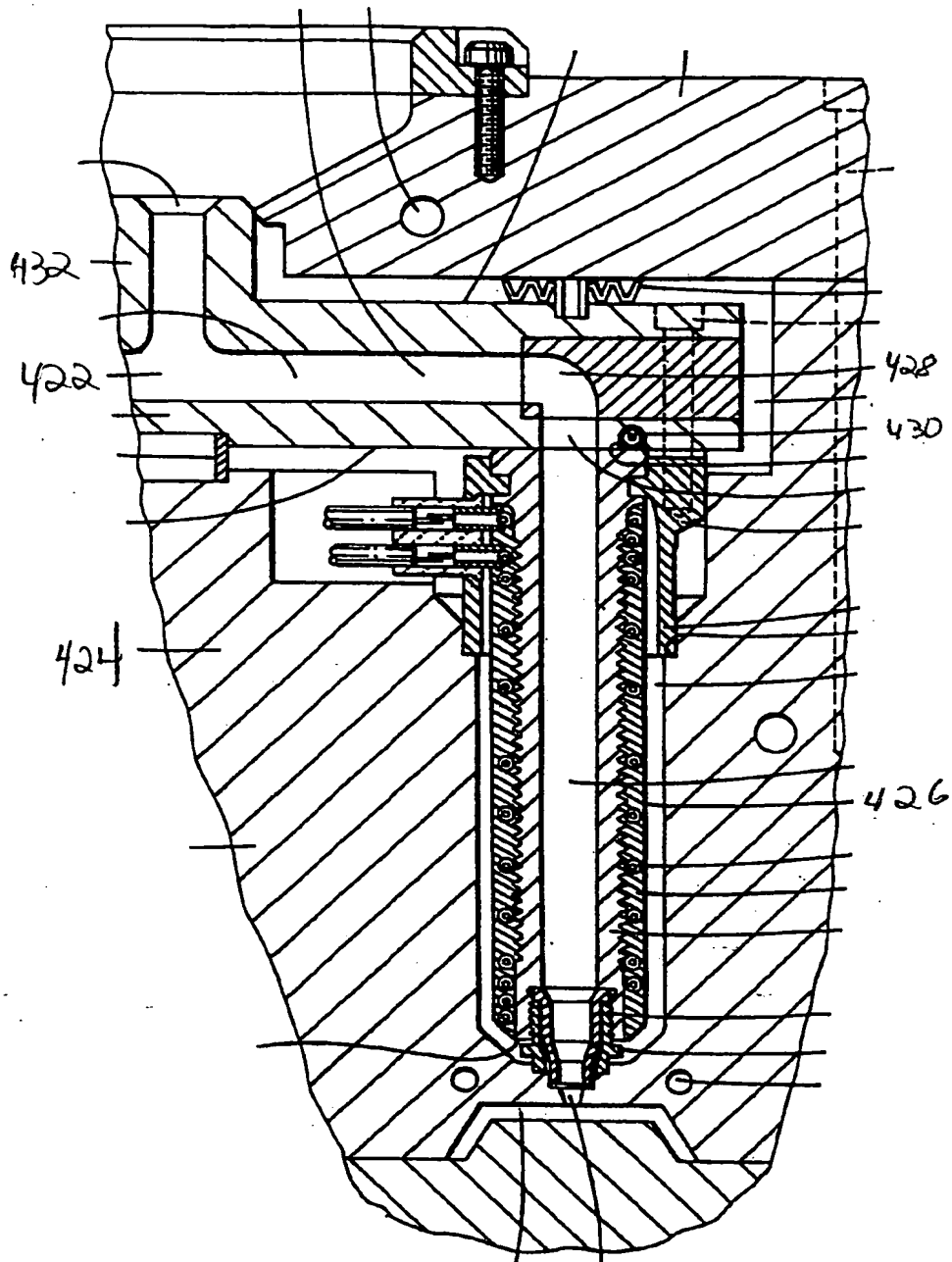


FIG. 22

3440

MERLIN™ Configurator

Merlin™ Home Merlin™ Support

M O L D - M A S T E R S

Water Cooled Gate Insert (Optional)

Please select the gate insert you require, or click [HERE](#) for more information.

Previous Step

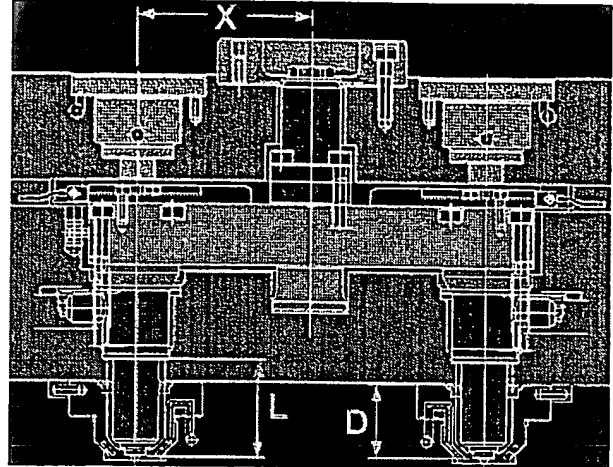
Match Gate Insert #	Description
---------------------	-------------

Water Cooled Gate Inserts are not available for this application.

O
Dimension

NEXT

MIM Dura Hecto-Shot® Bi-Metallic C-Valve



<input checked="" type="checkbox"/> Gate Seal	<input checked="" type="checkbox"/> Water Cooled Gate Insert	<input checked="" type="checkbox"/> Locating Ring
<input checked="" type="checkbox"/> Nozzle	<input checked="" type="checkbox"/> Valve Actuator	<input checked="" type="checkbox"/> Manifold Plates
<input checked="" type="checkbox"/> Manifold	<input checked="" type="checkbox"/> Inlet Component	

442

Relevant Catalog Pages

Catalog Page Title

View

M8.02.02 2-Inline Sub Manifold

View

M8.01.05 Mim Dura Hecto Valve nozzle L=120

View

M8.01.05 MDH C VALVE TS0664 + TSL229

View

M8.01.05 MIM Dura Hecto-Shot® Bi-Metallic C-Valve

Revision Date

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CAD Drawings

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3 460


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Valve Actuator

Please select the valve actuator you require, or click [HERE](#) for more information.





Previous Step

Match Valve Actuator #	Description	Valve Pin Max. Length	Valve Pin Diameter	Valve Pin Stroke
 HY6600D	Hydraulic/Pneumatic Cylinder Assembly	355.0 mm	7.940 mm	20.0 mm

464

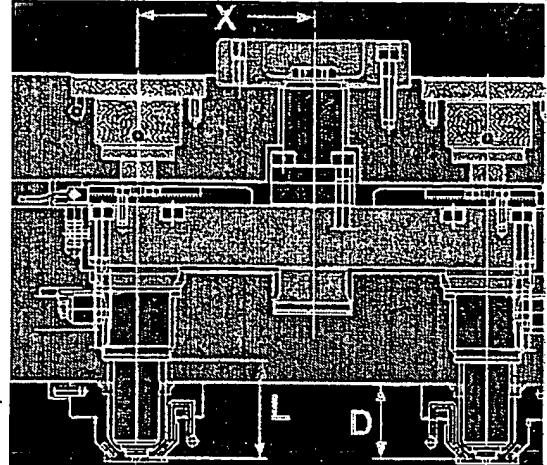
Relevant Catalog Pages

Catalog Page Title

 View	M8.02.02 2-Inline Sub Manifold
 View	M8.01.05 Mim Dura Hecto Valve nozzle L=120
 View	M8.01.05 MDH C VALVE TS0664 + TSL229
 View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve

466

MIM Dura Hecto-Shot ® Bi-Metallic C-V



Gate Seal Water Cooled Gate Insert Locating
Nozzle Valve Actuator Manifold
Manifold Inlet Component

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M O L D - M A S T E R S

Inlet Component

Please select the Inlet Component you require, or click [HERE](#) for more information.

Previous Step

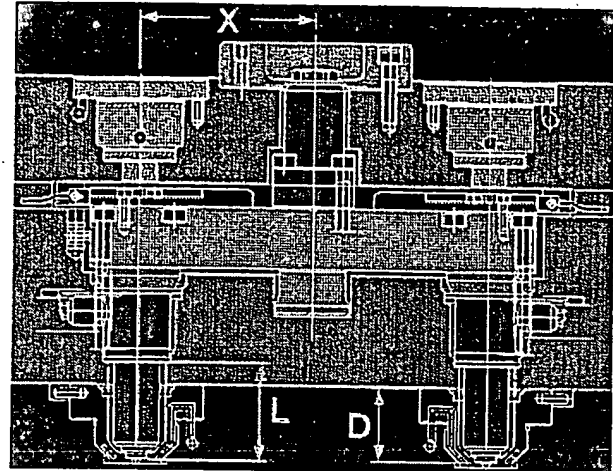
Matches Description



Manifold center heater

484

MIM Dura Hecto-Shot ® Bi-Metallic C-Valve



Gate Seal Water Cooled Gate Insert Locating Ring
Nozzle Valve Actuator Manifold Plates
Manifold Inlet Component

482

Relevant Catalog Pages

Catalog Page Title

Revision Date

CAD Drawings

View	12.01.12 Hydraulic/Pneumatic Cylinder Assembly
View	M8.02.02 2-Inline Sub Manifold
View	M8.01.05 Mim Dura Hecto Valve nozzle L=120
View	M8.01.05 MDH C VALVE TS0664 + TSL229
View	M8.01.05 MIM Dura Hecto-Shot ® Bi-Metallic C-Valve

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3 500

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MOLD-MASTERS

Inlet Component Manifold center heater

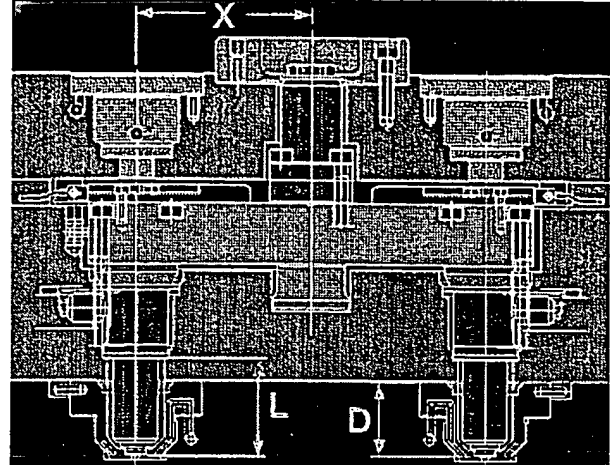
Please select the Inlet Component you require, or click [HERE](#) for more information.



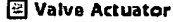


Previous Step

Matches Inlet Component #	Machine Nozzle Radius
 BP58.500P	0.5 inch
 BP58.750P	0.75 inch

502

MIM Dura Hecto-Shot ® Bi-Metallic C-Valve








-  Gate Seal
-  Water Cooled Gate Insert
-  Locating Ring
-  Nozzle
-  Valve Actuator
-  Manifold Plates
-  Manifold
-  Inlet Component

Relevant Catalog Pages

Catalog Page Title

Revision Date

CAD Drawings

 12.01.12	Hydraulic/Pneumatic Cylinder Assembly
 M8.02.02	2-Inline Sub Manifold
 M8.01.05	Mim Dura Hecto Valve nozzle L=120
 M8.01.05	MDH C VALVE TS0664 + TSL229
 M8.01.05	MIM Dura Hecto-Shot ® Bi-Metallic C-Valve

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M O L D M A S T E R S

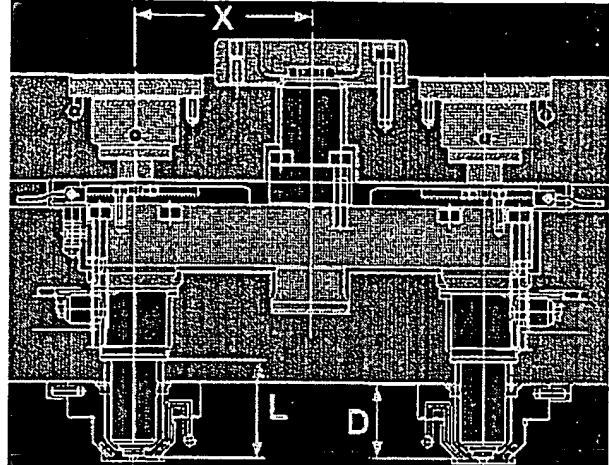
Location Ring

Please select the locating ring you require, or click [HERE](#) for more information.

Previous Step

Matches	Locating Ring #	Description	Diameter (mm)
524	1	LR0070 Loc. ring for machine nozzle pad	101.34
	2	LR0071 Loc. ring for machine nozzle pad	109.75
	3	LR0081 Locating Ring for Valve system with BP58, inch	101.36
	4	LR0082 Locating Ring for Valve system with BP58, metric	109.77
	5	LR0086 Locating Ring for Sprue system with BP58, inch	101.36
	6	LR0087 Locating Ring for Sprue system with BP58, metric	109.77

MIM Dura Hecto-Shot® Bi-Metallic C-Valve



Gate Seal Water Cooled Gate Insert Locating Ring
Nozzle Valve Actuator Manifold Plates
Manifold Inlet Component

522

Relevant Catalog Pages

Catalog Page Title

Revision Date

CAD Drawings

View	10.01.11	Manifold center heater
View	12.01.12	Hydraulic/Pneumatic Cylinder Assembly
View	M8.02.02	2-Inline Sub Manifold
View	M8.01.05	Mim Dura Hecto Valve nozzle L=120
View	M8.01.05	MDH C VALVE TS0664 + TSL229
View	M8.01.05	MIM Dura Hecto-Shot® Bi-Metallic C-Valve

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MIM Dura Hecto Shot Bi-Metallic C-Valve

Molding Elevation

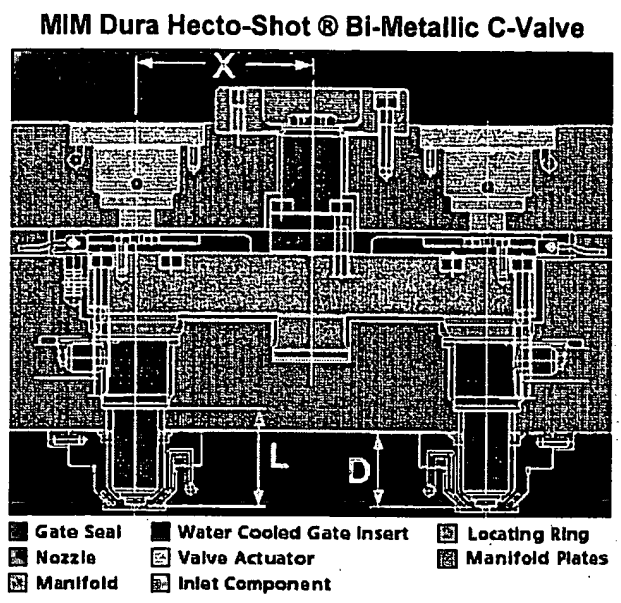
If you wish to include a Molding Elevation, please enter it below and choose the Unit of Measure.

Click [HERE](#) for more information.

Previous Step

There is no Molding Elevation range available for this application. Click Next to continue or try another application.

Next



Relevant Catalog Pages

Catalog Page	Title	Revision Date	CAD Drawings
View	M9.01.08 Locating Ring for Valve system with BP58, inch	Jun 6 2000 12:41AM	Download
View	10.01.11 Manifold center heater	98-Oct-22	Download
View	12.01.12 Hydraulic/Pneumatic Cylinder Assembly	98-Oct-22	Download
View	M8.02.02 2-Inline Sub Manifold	Jun	Download
View	M8.01.05 Mim Dura Hecto Valve nozzle L=120	Jun 6 2000 12:41AM	Download
View	M8.01.05 MDH C VALVE TS0664 + TSL229	Jun 6 2000 12:41AM	Download
View	M8.01.05 MIM Dura Hecto-Shot Bi-Metallic C-Valve	Jun 6 2000 12:41AM	Download

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MERLIN Configurator

M O L D M A S T E R S

Merlin Home Merlin Support

Application Information Form

Please fill in the relevant information and check for correctness.

Previous Step

Action To Be Taken, For more information click [HERE](#)

Company Name:

Contact Name

Mold Maker

Molder

End User

Customer Ref. #

Requested Delivery Date
(in MM/DD/YYYY format)

(in

Plastic Part #

Plastic Part Name

Industry Segment

Additional Information

Material

Part

Mold

Other

Material type :

Shot
Weight :

of Cavities

Gate Cosmetics

Acrylonitrile Butadiene Sty.

500 - 3500 g

Grade

Est.
Injection
Time (sec.)

564
Sub-runners

Gate Cooling

566

Supplier

Wall
Thickness

Gate

Dim. Stability

Process Temp.

Flow Length

Land

Supp. Screws

562
C

mm

mm

Summary Information Form

Please fill in the relevant information and check for correctness.

Previous Step

View Printable Version

Action To Be Taken, For more information click [HERE](#)

Step 1

Save

582

Step 2

Quote

584

Step 3

Review

586

Step 4

Order

588

Lead Time: No Lead Time Available.

Quote #: 0040003107

Order #:

Generate Drawings

Price: \$6,081.00 USD

Not Reviewed.

PO#

N/A

Company Name:

590

Contact Name:

Mold Maker:

Molder:

End User:

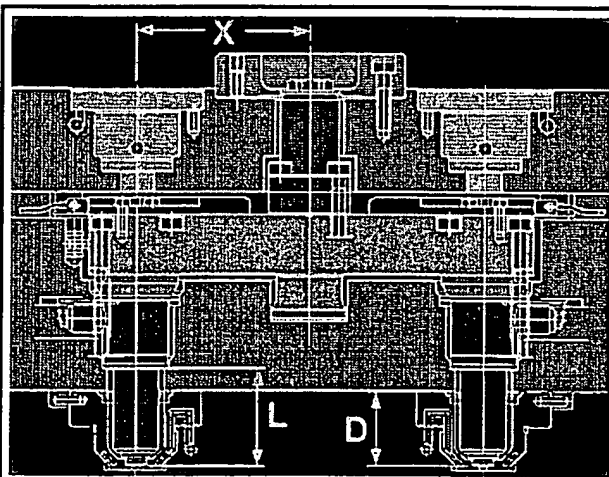
Customer Ref. #:

Requested Delivery Date:

Plastic Part #:

Plastic Part Name:

Industry Segment:



Required Parts List

Part Number	Description	Options
TS0664P2	MDH C VALVE TS0664 + TSL229	N/A
NZMH1B1A120P	Mim Dura Hecto Valve nozzle L=120	N/A
MNMDH2I200BL4VP	2-Inline Sub Manifold	N/A
HY6600D	Hydraulic/Pneumatic Cylinder Assembly	N/A
BP58.750P	Manifold center heater	N/A
LR0081	Locating Ring for Valve system with BP58, inch	N/A

Additional Information

Material

Part

Mold

Other

Material type:

Acrylonitrile Butadiene Styr.

Sh t Weight: 500 - 3500 g

of Cavities:

Gate Cosmetics:

Grade:

Est. Injecti n Time (sec.):

Sub-runners:

Gate Cooling:

Supplier:

Wall Thickness:

Gate:

Dim. Stability:

3600 -

Generated Drawings

Choose any of the file options below to download or view online

Type	Drawings	Options
TIF	<u>GT_sys_valve_config HY6600_0077.tif</u> (1449539 Bytes)	Download 602 View 604
TIF	<u>GT_sys_valve_config SYSTEM ASSEMBLY.tif</u> (1170968 Bytes)	Download View
DXF	<u>GT_sys_valve_config HY6600_0077.dxf</u> (1095118 Bytes)	Download View
DXF	<u>GT_sys_valve_config SYSTEM ASSEMBLY.dxf</u> (1786603 Bytes)	Download View
IGS	<u>GT_sys_valve_config HY6600_0077.igs</u> (2487962 Bytes)	Download View
IGS	<u>GT_sys_valve_config SYSTEM ASSEMBLY.igs</u> (2302724 Bytes)	Download View
WRL	<u>GeneralAssembly.wrl</u> (2461551 Bytes)	Download View

FIG. 31

6220

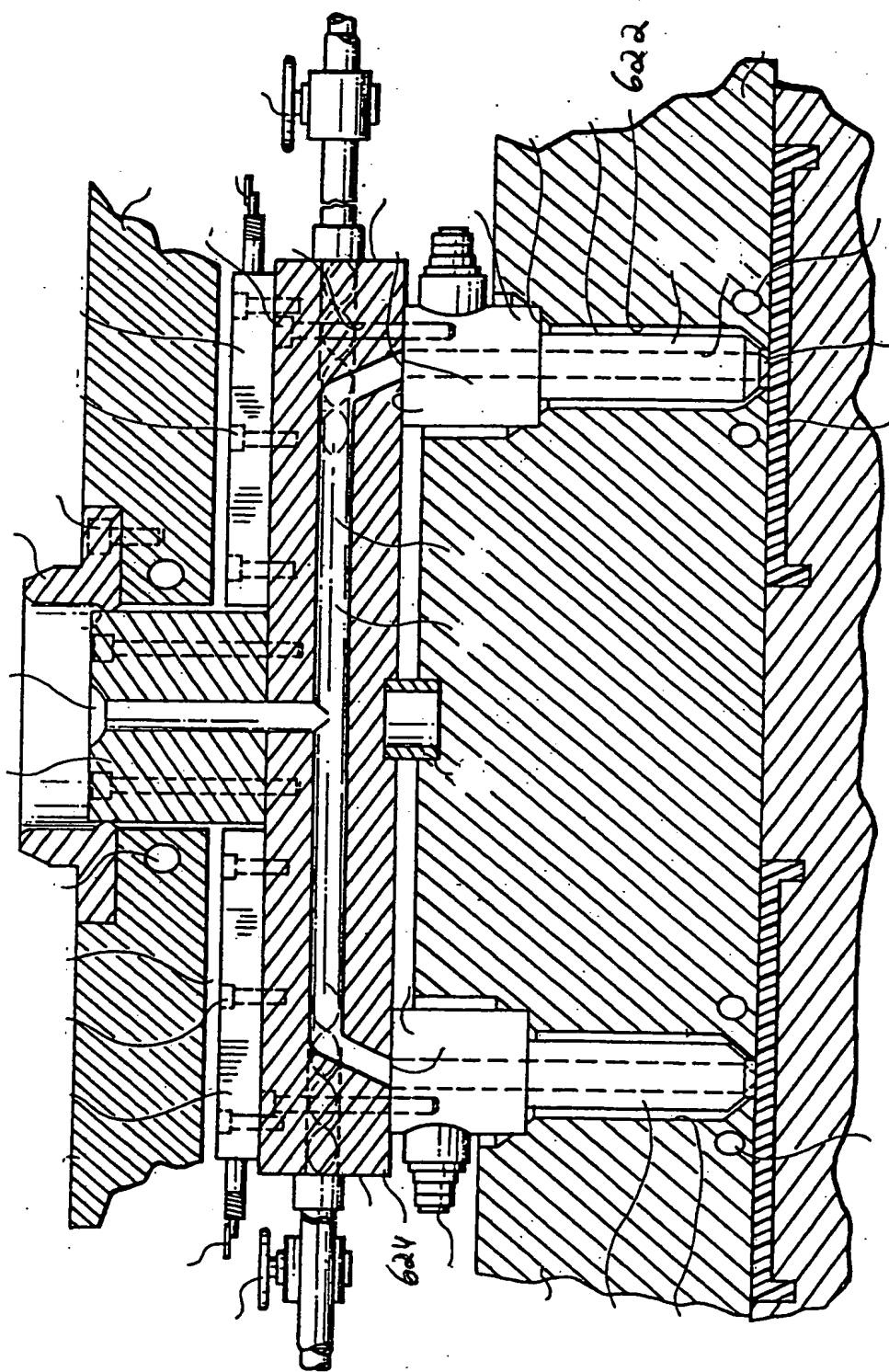


FIG. 32

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MERLIN™ Configurator

► Merlin™ Home

► Merlin™ Support

M O L D - M A S T E R S

Configurator

Please make a selection. For detailed information concerning your possible choices click [here](#).

Action	Description
Configure New System	Allows you to configure a new system and save it to your account.
Existing Configurations	Allows you to load an existing system from a list of saved systems.

124

3 660

MERLIN Configurator

Merlin Home Merlin Support

MERLIN CONFIGURATOR

Existing Configurations

Please Make a selection. For detailed information concerning your possible choices click [HERE](#)

Action			Configuration Name	Quote #	Order #	Date/Time	Status
Load	Copy	Delete	666 Previous Mongas Config 662	0040003107		6/12/00 2:39:47 PM	
Load	Copy	Delete	SAP Test	0040003098		6/9/00 11:31:20 AM	
Load	Copy	Delete	2 drop hect 190 pitch	0040003093		6/8/00 1:53:36 PM	664

680

MERLIN Configurator

Merlin Home Merlin Support

M O L D - A M I A S T E R S

Summary Information Form

Please fill in the relevant information and check for correctness.

Previous Step

View Printable Version

Action To Be Taken, For more information click [HERE](#)

Step 1

Save

682

Step 2

Quote

684

Step 3

Review

686

Step 4

Order

688

Lead Time: No Lead Time Available.

Quote #: 0040003107

Order #:

Generate Drawings

Price: \$6,681.00 USD

Not Reviewed.

PO #

N/A

Company Name:

610

Contact Name:

Mold Maker:

Molder:

End User:

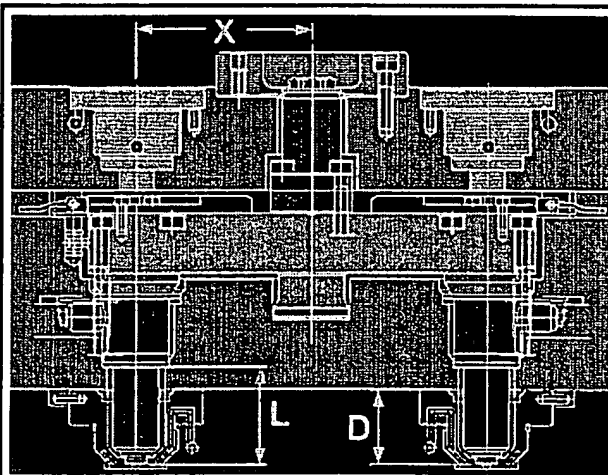
Customer Ref. # :

Requested Delivery Date:

Plastic Part # :

Plastic Part Name:

Industry Segment :



Required Parts List

Part Number	Description	Options
TS0664P2	MDH C VALVE TS0664 + TSL229	N/A
NZMH1B1A120P	Mim Dura Hecto Valve nozzle L=120	N/A
MNMDH21200BL4VP	2-Inline Sub Manifold	N/A
HY6600D	Hydraulic/Pneumatic Cylinder Assembly	N/A
BP58.750P	Manifold center heater	N/A
LR0081	Locating Ring for Valve system with BP58, inch	N/A

Additional Information

Material

Part

Mold

Other

Material type :
Acrylonitrile Butadiene
Styr.

Shot Weight : 500 -
3500 g

of Cavities :

Gate Cosmetics:

Grade:

Est. Injection Time
(sec.):

Sub-runners:

Gate Cooling:

Supplier:

Wall Thickness:

Gate:

Dim. Stability: